

Amendments to the Claims

1 Claim 1 (currently amended): A method of programmatically determining ~~edgification~~ of
2 whether application program components are suited for deployment at an edge of [[in]] a
3 computing network, comprising steps of:

4 retrieving values for one or more characteristics of each of one or more executable
5 application program components to be potentially ~~edgified~~ deployed at the edge, each of the
6 characteristics pertaining to executable code of the application program component and each of
7 the characteristic values specifying whether this characteristic is important for this application
8 program component;

9 retrieving values for one or more characteristics of an operating environment in which the
10 deployment at the edge ~~edgification~~ is to potentially occur, each of the characteristics pertaining
11 to execution of code in the operating environment and each of the characteristic values specifying
12 whether this characteristic is applicable for the operating environment;

13 retrieving a policy which expresses how dependent ~~associations between the~~
14 characteristics of the application program components ~~[[and]] are on~~ the characteristics of the
15 operating environment; and

16 programmatically combining the values of the characteristics of a particular one of the
17 application program components, the policy, and the values of the characteristics of the operating
18 environment to yield a result which determines whether the particular application program
19 component is ~~edgible~~ suited for deployment at the edge of the computing network.

1 Claim 2 (currently amended): The method according to Claim 1, further comprising the step of

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2 comparing the result to a threshold to determine whether the particular application program
3 component is ~~edg~~cable suited for deployment at the edge.

1 Claim 3 (currently amended): The method according to Claim 1, wherein the characteristics of
2 the one or more application program components are supplied by developers of the components.

1 Claim 4 (original): The method according to Claim 1, wherein the characteristics of the
2 operating environment are supplied by an administrator of the environment.

1 Claim 5 (original): The method according to Claim 1, wherein the policy is supplied by a
2 deployer.

1 Claim 6 (currently amended): The method according to Claim 1, wherein the step of
2 programmatically combining uses ~~techniques of~~ matrix multiplication.

1 Claim 7 (currently amended): The method according to Claim 1, wherein the values of the
2 characteristics of the one or more application program components, values of the policy, and
3 values of the characteristics of the operating environment range between zero and one.

1 Claim 8 (original): The method according to Claim 1, wherein the step of programmatically
2 combining uses modifications to techniques of matrix multiplication, wherein particular
3 intermediate results signal changes to the matrix multiplication process.

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1 Claim 9 (currently amended): A system for programmatically determining ~~edgification~~ of
2 whether application program components are suited for deployment at an edge of [[in]] a
3 computing network, comprising:

4 means for retrieving values for one or more characteristics of each of one or more
5 executable application program components to be potentially ~~edgified~~ deployed at the edge, each
6 of the characteristics pertaining to executable code of the application program component and
7 each of the characteristic values specifying whether this characteristic is important for this
8 application program component;

9 means for retrieving values for one or more characteristics of an operating environment in
10 which the ~~edgification~~ deployment at the edge is to potentially occur, each of the characteristics
11 pertaining to execution of code in the operating environment and each of the characteristic values
12 specifying whether this characteristic is applicable for the operating environment;

13 means for retrieving a policy which expresses associations between how dependent the
14 characteristics of the application program components [[and]] are on the characteristics of the
15 operating environment;

16 means for programmatically combining the values of the characteristics of a particular
17 one of the application program components, the policy, and the values of the characteristics of
18 the operating environment to yield a result; and

19 means for comparing the result to a threshold to determine whether the particular
20 application program component is ~~edgeable~~ suited for deployment at the edge of the computing
21 network.

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1 Claim 10 (currently amended): A computer program product for programmatically determining
2 whether application program edgification of components are suited for deployment at an edge of
3 [[in]] a computing network, the computer program product embodied on one or more computer-
4 readable media and comprising:

5 computer-readable program code means for retrieving values for one or more
6 characteristics of one or more executable application program components to be potentially
7 edgified deployed at the edge, each of the characteristics pertaining to executable code of the
8 application program component and each of the characteristic values specifying whether this
9 characteristic is important for this application program component;

10 computer-readable program code means for retrieving values for one or more
11 characteristics of an operating environment in which the edgification deployment at the edge is to
12 potentially occur, each of the characteristics pertaining to execution of code in the operating
13 environment and each of the characteristic values specifying whether this characteristic is
14 applicable for the operating environment;

15 computer-readable program code means for retrieving a policy which expresses how
16 dependent associations between the characteristics of the application program components
17 [[and]] are on the characteristics of the operating environment;

18 computer-readable program code means for programmatically combining the values of
19 the characteristics of a particular one of the application program components, the policy, and the
20 values of the characteristics of the operating environment to yield a result; and

21 computer-readable program code means for comparing the result to a threshold to

22 determine whether the particular application program component is ~~edgeable~~ suited for
23 deployment at the edge of the computing network.

1 Claim 11 (new): The method according to Claim 1, wherein the values of the characteristics of
2 the application program components and the values of the characteristics of the operating
3 environment are specified in vectors, the policy is specified as a matrix, and the
4 programmatically combining step further comprises multiplying the matrix by each of the vectors
5 and summing the products to yield the result.

1 Claim 12 (new): The method according to Claim 1, wherein the policy comprises a matrix of
2 cells, each cell specifying a value that indicates how dependent one of the application program
3 components is on one of the characteristics of the operating environment.

1 Claim 13 (new): The method according to Claim 13, wherein the cells are used, during the
2 programmatically combining step, as weighting factors for yielding the result.

1 Claim 14 (new): The method according to Claim 1, wherein one of the characteristics of the
2 application program components is whether the application program components need a secure
3 operating environment and one of the characteristics of the operating environment is whether the
4 operating environment is secure.

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